

APR 07 2003

CERTIFICATE OF MAILING

hereby certify that this paper is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Box Fee Amendment; Commissioner for Patents, Washington, DC 20231 on: April 2, 2003.

Lynne W. Moore
Lynne W. Moore

PATENT

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TECH CENTER 1600/2900

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Applicant: Vincente Dias et al : Group Art Unit: 1632
Serial No.: 09/158,272 : Examiner: J. Woitach
Filed: September 22, 1998 :
For: **Beta Recombinase In Eukaryotic Cells, Especially For Transgenic Work**

Box Fee Amendment
Commissioner for Patents
Washington, DC 20231

Dear Sir:

Transmitted herewith is an Amendment in the above-identified application.

☒ Additional fee is required.

The fee has been calculated as shown below:

	NO. OF CLAIMS	HIGHEST PREVIOUS PAID FOR	EXTRA CLAIMS	RATE	FEE
Total Claims	28	32	0	x \$18 =	\$ 0.00
Independent Claims	10	9	1	x \$84 =	\$84.00
TOTAL FEE DUE					\$84.00

☒ A check in the amount of **\$84.00** is enclosed.

☒ The Commissioner is hereby authorized to charge payment of any additional fees associated with this communication or credit any overpayment, to Deposit Account No. 04-1133, including any filing fees under 37 CFR 1.16 for presentation of extra claims and any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,

By:

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Date: April 2, 2003
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Lynne W. Moore
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#275
4/14/03
PATENT

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IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Applicants: Vincente Dias et al : Paper No.:
Serial No.: 09/158,272 : Group Art Unit: 1632
Filed: September 22, 1998 : Examiner: Joseph T. Voitach
For: **Beta Recombinase in Eukaryotic Cells, Especially for Transgenic Work**

AMENDMENT

Box Fee Amendment
Commissioner for Patents
Washington, DC 20231

Dear Sir:

In response to the Official Action dated January 2, 2003, please amend the present application as follows:

In the Claims:

Please cancel claims 32, 45, 48, 49, 54 and 59.

Please amend claims 27, 28, 33, 35-43, 50, 53, 55-57, 60-61 and 64-65 to read as follows:

27. (Fifth Amendment) A method for mediating transgenic intramolecular recombination selected from deletions of DNA sequences located between two *six* sites and inversions of DNA sequences located between two *six* sites, in *in vitro* mammalian cells, comprising the steps of transfecting the mammalian cells with prokaryotic beta recombinase derived from *Streptococcus* and transfecting the mammalian cells with DNA sequences